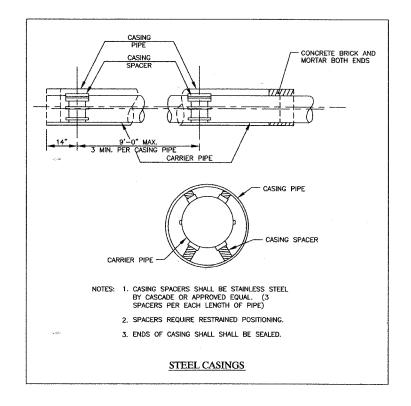
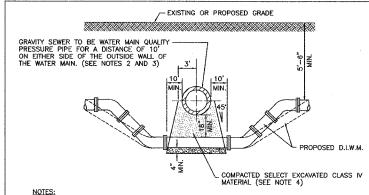
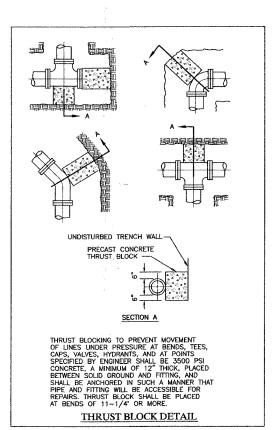
	F.A.U. RTE.	SECTION			COUNTY		TOTAL SHEETS	SHEET NO.
	3783	00-00080-00	)-FP		СООК		49	24
STA. TO STA.								
	FED. ROAD DIST. NO.			ILLINOIS		AID	PROJECT	
	CONTI	RACT NO. 83	1988					

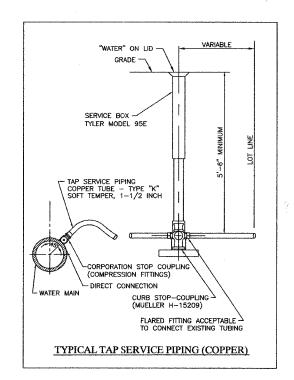




- CONTRACTOR MAY BEND WATER MAIN PIPE UNIFORMLY UNDER SEWERS WITHOUT USING FITTINGS PROVIDED THAT JOINT DEFLECTION DOES NOT EXCEED 5 DEGREES PER JOINT FOR PIPE UNDER 14" IN SIZE AND 3 DEGREES PER JOINT FOR PIPE 14" AND OVER IN SIZE. IF FITTINGS ARE USED, CONTINUOUS STRAPPING WITH RODS, STRAPS, NUTS AND BOLTS BELOW NORMAL WATER MAIN DEPTH ARE REQUIRED OR RETAINER GLANDS MAY BE USED IN LIEU OF STRAPPING. RETAINER GLANDS TO BE CLOW NO. F-1058, OR APPROVED EQUAL.
- 2. ALL SANITARY SEWER (INCLUDING SERVICES) CROSSINGS WHERE THE WATER MAINS OR WATER SERVICES ARE LESS THAN 18" ABOVE THE SEWER VERTICALLY SHALL BE POLYVINYL CHLORIDE PRESSURE PIPE AND SHALL CONFORM WITH THE LATEST REVISION OF ASTM SPECIFICATION D 2241 SDR 26, (169 PS), JOINTS SHALL CONFORM TO ASTM D 3139 AND ELASTOMERIC GASKETS SHALL CONFORM TO ASTM F 477. THE SAME PIPE AND JOINT MATERIAL SHALL BE USED WHENEVER WATER MAIN CROSSES BELOW THE SEWER.
- 3. ALL STORM SEWER (INCLUDING SERVICES) CROSSINGS WHERE THE WATER MAINS OR WATER SERVICES ARE LESS THAN 18° ABOVE THE SEWER VERTICALLY SHALL BE REINFORCED PRECAST CONCRETE SEWER PIPE, ASTM C 76 OR C 361 PIPE WITH ASTM C 443 JOINTS. THE SAME PIPE AND JOINT MATERIAL SHALL BE USED WHENEVER WATER MAIN CROSSES BELOW THE SEWER.
- 4. COMPACTED MATERIAL BELOW SEWER SHALL CONFORM TO STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS STANDARD DRAWING NOB. 20 AND 23.
- HORIZONTAL AND VERTICAL SEPARATION BETWEEN WATER MAINS AND SEWERS SHALL COMPLY WITH SECTION 41-2.01 OF THE STANDARD SPECIFICATIONS FOR SEWER AND WATER MAIN CONSTRUCTION IN ILLINOSIS, LATEST EDITION.

WATER MAIN CROSSING DETAIL





R NAM	EVISIONS IE DATE	ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.U. 3783 BURLINGTON AVENUE				
		WATER	MAIN DETAILS			
		SCALE: NTS DATE: 8/15/07	DRAWN BY SMP CHECKED BY BDH			